STIC Search Report

EIC 2100

USPTO

TO: Jungwon Chang **Location: RND 4D61** **Art Unit : 2154** **Wednesday, July 27, 2005** **Case Serial Number: 09/665368**	**From: David Holloway** **Location: EIC 2100** **RND 4B19** **Phone: 2-3528** **david.holloway@uspto.gov**

Search Notes

Dear Examiner Chang,

Attached please find your search results for above-referenced case.
Please contact me if you have any questions or would like a re-focused search.

David

sira
Search and Information
Resources Administration

```
Set      Items     Description
S1        7892     PAPER()(MODEL OR MODELING OR FOLDING) OR ORIGAMI?
S2     8696529     PLAN OR DIAGRAM? OR TEMPLATE?
S3    17852860     PLAN OR PLANS OR PATTERN? OR STENCIL? OR DIAGRAM? OR TEMPL-
                   ATE?
S4          13     S1 (10N)S2 (10N) (INTERNET? OR WWW OR WEBSITE? OR WEBPAGE?
                   OR WEB()(SITE? OR PAGE?) OR WORLDWIDE()WEB)
S5          21     S1(10N)S3(10N)(INTERNET? OR WWW OR WEBSITE? OR WEBPAGE? OR
                   ONLINE OR ON()LINE OR WORLDWIDE()WEB OR WEB()(SITE? OR PAGE?))
S6          16     RD (unique items)
S7           6     S6 NOT PY>1999
? show files
File 275:Gale Group Computer DB(TM) 1983-2005/Jul 27
         (c) 2005 The Gale Group
File  47:Gale Group Magazine DB(TM) 1959-2005/Jul 27
         (c) 2005 The Gale group
File  75:TGG Management Contents(R) 86-2005/Jul W3
         (c) 2005 The Gale Group
File 636:Gale Group Newsletter DB(TM) 1987-2005/Jul 26
         (c) 2005 The Gale Group
File  16:Gale Group PROMT(R) 1990-2005/Jul 26
         (c) 2005 The Gale Group
File 624:McGraw-Hill Publications 1985-2005/Jul 27
         (c) 2005 McGraw-Hill Co. Inc
File 484:Periodical Abs Plustext 1986-2005/Jul W4
         (c) 2005 ProQuest
File 813:PR Newswire 1987-1999/Apr 30
         (c) 1999 PR Newswire Association Inc
File 141:Readers Guide 1983-2004/Dec
         (c) 2005 The HW Wilson Co
File 239:Mathsci 1940-2005/Sep
         (c) 2005 American Mathematical Society
File 696:DIALOG Telecom. Newsletters 1995-2005/Jul 27
         (c) 2005 The Dialog Corp.
File 553:Wilson Bus. Abs. FullText 1982-2004/Dec
         (c) 2005 The HW Wilson Co
File 621:Gale Group New Prod.Annou.(R) 1985-2005/Jul 27
         (c) 2005 The Gale Group
File 674:Computer News Fulltext 1989-2005/Jul W3
         (c) 2005 IDG Communications
File  88:Gale Group Business A.R.T.S. 1976-2005/Jul 26
         (c) 2005 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
         (c) 1999 The Gale Group
File 635:Business Dateline(R) 1985-2005/Jul 27
         (c) 2005 ProQuest Info&Learning
File  15:ABI/Inform(R) 1971-2005/Jul 27
         (c) 2005 ProQuest Info&Learning
File   9:Business & Industry(R) Jul/1994-2005/Jul 26
         (c) 2005  The Gale Group
File  13:BAMP 2005/Jul W3
         (c) 2005  The Gale Group
File 810:Business Wire 1986-1999/Feb 28
         (c) 1999 Business Wire
File 610:Business Wire 1999-2005/Jul 26
         (c) 2005 Business Wire.
File 647:CMP  Computer Fulltext 1988-2005/Jul W2
         (c) 2005 CMP Media, LLC
File  98:General Sci Abs/Full-Text 1984-2004/Dec
         (c) 2005 The HW Wilson Co.
File 148:Gale Group Trade & Industry DB 1976-2005/Jul 27
         (c)2005 The Gale Group
File 634:San Jose Mercury  Jun 1985-2005/Jul 26
         (c) 2005 San Jose Mercury News
File  20:Dialog Global Reporter 1997-2005/Jul 27
```

05048004   Supplier Number: 47410639   (USE FORMAT 7 FOR FULLTEXT)
Wired for Profit
Kilburn, David
ADWEEK Eastern Edition, p21
May 26, 1997
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1348

...   a section on how Saturn cares about people and the environment. Web
users can download **origami   patterns** for making paper models of the
cars.
    'Using the **Internet** is an integral part of our strategy,' says Keith
Wicks, Saturn general manager for Japan...

04048530   (USE FORMAT 7 OR 9 FOR FULLTEXT)
Hiroshima and paper cranes: A technique to deal with death and grief
Davis, Thomas M; Yehieli,. Michele
Journal of School Health (IJSH), v68 n9, p384-386, p.3
 Nov 1998
 ISSN: 0022-4391   JOURNAL CODE: IJSH
 DOCUMENT TYPE: Instructional
 LANGUAGE: English   RECORD TYPE: Fulltext; Abstract
WORD COUNT: 1497

TEXT:
...   square at perfect 90 degree angles. Directions for folding a paper
crane are provided in **Diagram** 1. Few students can learn the art of
origami through **diagrams** alone. Readers also may view the progress of
folding a paper crane via a quick-time movie at the **website**
"www.uni.edu/davist'.
    (Illustration Omitted)
    Captioned as: Diagram 1
    Facilitating a Follow-up Discussion...

00643509
Case Study Nikolai.com: A Real Marriage of Creativity and Management Savvy

MIN'S NEW MEDIA REPORT
December 7, 1998   VOL: 4   ISSUE: 25   DOCUMENT TYPE: NEWSLETTER
PUBLISHER: PHILLIPS BUSINESS INFORMATION
LANGUAGE: ENGLISH   WORD COUNT: 745   RECORD TYPE: FULLTEXT

TEXT:
...visually from a world of poorly imagined cartoon personae.
Watercolor "analog" paintings are digitized for **online** use.
Nikolai.com is an activity book. Interactivity is the point
throughout the site, from **origami   plans** to animated connect-the-dots

pictures. Individual features can take weeks of design time.
Staffer...

7/3,K/4   (Item 1 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2005 CMP Media, LLC. All rts. reserv.

01111870   CMP ACCESSION NUMBER: HPC19961201S0047
300 Best Web Sites-From art to 'zines, these are the sites you must see.
Editors of HomePC
HOME PC, 1996, n 312, PG161
PUBLICATION DATE: 961201
JOURNAL CODE: HPC   LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: Features
WORD COUNT: 9022

...   jw.stanford. edu/KIDS/) Youngsters can learn   about Japanese
writing, practice the ancient art of   **origami** or enjoy a Japanese folk
tale.
      National Geographic **Online** (http:// **www** .nationalgeographic. com)
Hundreds of new photos, maps, **diagrams** and articles help students
understand their world.
      NetVet Veterinary Resources (http://netvet.wustl.edu) Learn...

7/3,K/5   (Item 2 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2005 CMP Media, LLC. All rts. reserv.

01088023   CMP ACCESSION NUMBER: NTG19960501S0063
Leisure Time
NETGUIDE 1996 n 305, PG116
PUBLICATION DATE: 960501
JOURNAL CODE: NTG   LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: CyberGuide : Your GUIDE to the NET
WORD COUNT: 282

...   dragons, winged pigs, and centaurs-see Joseph Wu's brilliant
folded paper designs, and download **origami   diagrams** in PostScript or
Adobe Acrobat file formats.
      World Wide Web: http:// **www** .cs.ubc.ca/spider/jwu/ **origami** .html
      ****
      Salon Betty Interactive Paper Doll
      Betty isn't your average sweet little paper doll...

TEXT:
Letter from Tokyo
     David KILLBURN
     It's a wired world in Japan - the country that once looked as if it
would miss the digital revolution. New business growth in the high-tech
sector is booming. This should provide a powerful shot in the arm for the
ad industry, attract technology clients and help foreign marketers reach
Japanese customers.
     It will also mean big bucks.
     Riding a tidal wave of technological optimism, the computer and
communications industries increased ad spending in Japan last year to
nearly $2 billion - a 28 percent increase from 1995, compared with less
than 7 percent growth across all other industries, notes Dentsu.
     What explains the rapid rise? A number of factors. For starters,
deregulation, falling prices and new technologies have lured consumers.
     Sales of personal computers alone have grown. That market jumped 39
percent in 1996, according to an annual survey by IDC, Japan, and for the
second year, Japan was the fastest-growing PC market in Asia. Demand is
fueled by growing interest in the Internet and multimedia. 'Interest is
spreading from business to home use,' says Kimio Arai, president of Tokyu
Agency International. 'That's how the markets for television and video
recorders developed here. We can expect the PC and Internet-related markets
to develop very quickly from now on.'
     In addition, since April 1994, users have been allowed to buy, rather
than lease, their phones. In July 1995, a new, cheaper mobile phone
service, the PHS, was introduced. PHS phones, despite a limited calling
range and the inability to be used in vehicles, were an instant hit. Mobile
subscriber numbers have soared as a result - from more than 2 million in
March 1994 to an astounding 21 million in March 1997. This year, new phones
and a new data service enable mobile phones to connect directly with
computers to transmit data.
     But rapid growth isn't problem-free, especially for mobile phone
makers. Since phones are made to specifications set by the service
providers, it has become increasingly difficult to distinguish between
phones. 'Though many of the manufacturers are extremely well-known, it's
doubtful whether consumers can see much difference between offerings. There
is a lot of lazy marketing here,' says Chris Beaumont, McCann-Erickson's
chief strategy officer for Asia.
     McCann client Nokia, one of the few foreign makers competing in this
marketplace, is trying to carve out a niche. Its latest campaign shows how
easy it is to use its phones. One TV spot features a ballerina phoning
while on stage.
     In fact, though Japanese consumers are generally quick to adopt new
technologies, growth in PC usership has been slow. Intel Japan estimates
that only 15 percent of Japanese homes have a PC, compared with more than
40 percent of homes in the U.S. That 15 percent reality is played out in
ads, where the young help their elders come to terms with the technological
transformations the computer is bringing. But a degree of hesitation or
cyberphobia remains.
     '[Western advertising] tends to be function-based; in Japan, the focus
is more personal, developing a relationship with the consumer. For example,
the recent IBM ThinkPad advertising conveys the sense of personal

empowerment and lifestyle orientation within a framework of mobility. Similarly, the 'We ... Microsoft' print campaign lays the foundation for empowerment, fun and efficiency,' says Beaumont.

Empathy is also important, says Manuel Torres, general manager of marketing for Intel Japan. 'In Japan, the target market for technology is just about everyone. Compared to most Asian countries, a PC in Japan is very affordable.'

Indeed, the rising PC penetration in Japan is good news for advertisers: The Internet is a new, important marketing tool. Dentsu and Hakuhodo, Japan's two largest agencies, are developing the Web as a Japanese advertising medium. Dentsu subsidiary Cyber Communications has teamed up with Yahoo! in Japan to sell ads. Hakuhodo has formed the Digital Advertising Consortium, together with four other shops - Asatsu, Yomiuri Advertising, Dal Ichi Kikaku and I&S - to sell Infoseek Japan. But advertising on the Net is still a small business, worth only about $14 million last year, and won't reach U.S. Web revenue levels, says Hidenori Tanaka, manager of Dentsu's Digital Communications Division.

The real impact of the Web's marketing is creating sites that reach Japanese consumers. Last November, some four months before using traditional media to launch its new car, Saturn Japan opened a Web site: www.saturn japan.com. The bilingual site was developed by Dai Ichi Kikaku, Saturn's agency in Japan. It includes all the latest news about the company, its cars, history, philosophy and retailer locations, as well as a section on how Saturn cares about people and the environment. Web users can download **origami patterns** for making paper models of the cars.

'Using the **Internet** is an integral part of our strategy,' says Keith Wicks, Saturn general manager for Japan. 'The Web will become more important to us down the line. Japan is still behind the curve from a U.S. standpoint.' Because Saturn's prospective customers are younger than the typical Japanese new car buyer, Web advertising is a key way to reach this crucial demographic.

General Motors' Opel Japan was the Internet trailblazer for automakers in Japan. In December 1994, it opened its Web site - www.opel.co.jp. This was the first time any car maker had used the Web in Japan.

'The Web's interactivity enables us to relate to customers and prospective purchasers in ways impossible in traditional media,' says Opel spokesman George Hansen, who claims the site gets up to 100,000 hits a day. Opel coordinated the site, working with McCann-Erickson, Tokyu Agency International, and a number of Web design boutiques.

Dentsu, Hakuhodo and Dai Ichi Kikaku are the agencies most active on the Web. But while the two giants work mainly with their Japanese clients, Dai Ichi Kikaku has also successfully integrated Web sites into brand strategies for a number of their international clients: Warner-Lambert (Clorets), Bristol-Myers Squibb (Sea Breeze), Freixenet (Spanish wine), and Mercury Investment Trust Management. Japanese advertisers who used to see the Web as a good place to put company brochures, annual reports and press releases are now exploring how interactivity can put them in direct contact with consumers. Working with Hakuhodo, Hitachi recently launched a new digital camera, designed for Web makers, using a Web site and magazine advertisements to publicize the URL: mpeg.hitachi.co.jp/planet. A corresponding English site can be found at:www.MPEGCam.net.

In fact, most of the launch budget for the digital camera was spent on the Web rather than on traditional media. 'It was the first time we've launched in this way, and I guess it won't be the last,' says Jin Wakamatsu, producer of Hakuhodo's cybermedia department.

'Within a few years, Web use will be almost universal,' predicts Wakamatsu. 'Web technologies will be an integral part of new generations of TVs, video recorders and other appliances. Consumers will be able to turn on their TV and not know whether they are receiving a traditional broadcast or. surfing the Web. And the prospect of selling Web TVs and other Web appliances worldwide lends promise to another new business growth.'

Sony, which is actively pursuing its own digital dreams, believes a new breed of agency in Japan will accompany Web use. As such, on May 1, Sony bought 94 percent of the $240 million Tokyo agency, Tokyu Agency International, which currently handles one-third of its Japanese business,

and installed its own management team. The remaining 6 percent is held, at Sony's request, by Tokyu Corp., the agency founders and previous majority shareholders.

Relaunching the agency as Intervision, Sony president Nobuyuki Idei says, 'The media and marketing environments in Japan are changing. Digital satellite broadcasting, the Internet, software and games are all examples of this. While continuing its existing activities, Intervision will also explore the new technologies and new approaches to advertising. It will be a new kind of agency. It won't be a 'house agency.'

'Sony's global operational network, hardware and software capabilities are all being made available to the agency as it explores new frontiers,' says Idei.

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Set      Items     Description
S1        909      PAPER()(MODEL OR MODELING OR FOLDING) OR ORIGAMI?
S2     1040783     PLAN OR DIAGRAM? OR TEMPLATE?
S3      392881     ONLINE? OR INTERNET? OR SERVER? OR FTP OR DOWNLOAD? OR RET-
                      RIEV? OR FETCH?
S4     3046580     PRINT? OR OUTPUT? OR OUT()PUT
S5          1      S1 AND S2 AND S3 AND S4
S6          1      S1 AND S2 AND (INTERNET? OR WWW OR WEBSITE? OR WEBPAGE? OR
                      WEB()(SITE? OR PAGE?) OR WORLDWIDE()WEB)
S7          1      S1 AND S2 AND S3
S8          6      S1 AND S3
S9          6      S5:S8
S10         6      IDPAT (sorted in duplicate/non-duplicate order)
S11         6      IDPAT (primary/non-duplicate records only)
File 347:JAPIO Nov 1976-2005/Feb(Updated 050606)
         (c) 2005 JPO & JAPIO
File 350:Derwent WPIX 1963-2005/UD,UM &UP=200547
         (c) 2005  Thomson Derwent
```

06228389   **Image available**
METHOD FOR DEVELOPING SHEET METAL MODEL IN SHEET METAL CAD/CAM SYSTEM

PUB. NO.:   11-169952   [JP 11169952 A]
PUBLISHED: June 29, 1999 (19990629)
INVENTOR(s):   YAMADA SATOSHI
APPLICANT(s): AMADA CO LTD
APPL. NO.:   09-336068   [JP 97336068]
FILED: December 05, 1997 (19971205)
INTL CLASS: B21D-005/01; G06F-017/50

ABSTRACT

PROBLEM TO BE SOLVED: To unnecessitate troublesome inputting operation by
an operator and to directly develop a sheet metal model by refering to the
sheet metal model showing the geometrical shape of a sheet metal product
and performing a developing treatment containing a sheet metal part
recognition, intermediate surface preparation, bending recognition,
obtainment of elongation value, **retrieval** of connecting condition between
surfaces, developing shape calculation, etc., in order.
SOLUTION: A sheet metal model automatic developing device 29 in a sheet
metal CAD/ CAM system 1, reads out the sheet metal model in the form of
data base stored in a **paper model** /sheet metal model storing device 17.
A sheet thickness recognition treatment for recognizing by separating each
of one pair of general surfaces mutually faced while interposing the sheet
thickness part from the sheet thickness face is performed by refering to
the sheet thickness dimension of the sheet metal model showing the
geometric shape. Successively, the intermediate surface preparing treatment
for preparing the intermediate surface whose sheet thickness component is
removed, is performed, and in the intermediate surface, the recognizing
treatment to the bending surface as bending object is executed, etc., and
finally, the whole development becoming one closed route in the outer
circumference is performed to comlete the treatment.

```
Set      Items    Description
S1        6811    ORIGAMI? OR PAPER()(FOLD? OR MODEL?)
S2     6883972    DOWNLOAD? OR ONLINE? OR ON()LINE? OR SERVER? OR FTP OR
INT-
            ERNET?
S3    10564588    PLAN OR PLANS OR DIAGRAM? OR DATABASE?
S4          65    S1 AND S2(2N)S3
S5          25    S4 NOT PY>1999
S6       19  RD (unique items)
```

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  File  47:Gale Group Magazine DB(TM) 1959-2005/Jul 27
         (c) 2005 The Gale group
  File  20:Dialog Global Reporter 1997-2005/Jul 27
         (c) 2005 The Dialog Corp.
  File 636:Gale Group Newsletter DB(TM) 1987-2005/Jul 26
         (c) 2005 The Gale Group
  File  16:Gale Group PROMT(R) 1990-2005/Jul 26
         (c) 2005 The Gale Group
  File 624:McGraw-Hill Publications 1985-2005/Jul 27
         (c) 2005 McGraw-Hill Co. Inc
*File 624: Homeland Security & Defense and 9 Platt energy journals added
Please see HELP NEWS624 for more
  File 484:Periodical Abs Plustext 1986-2005/Jul W3
         (c) 2005 ProQuest
*File 484: SELECT IMAGE AVAILABILITY FOR PROQUEST FILES
ENTER 'HELP PROQUEST' FOR MORE
  File 141:Readers Guide 1983-2004/Dec
         (c) 2005 The HW Wilson Co
  File  88:Gale Group Business A.R.T.S. 1976-2005/Jul 26
         (c) 2005 The Gale Group
  File   1:ERIC 1966-2004/Jul 21
         (c) format only 2004 The Dialog Corporation
*File   1: Updates suspended by ERIC until
Q3, 2005
  File 179:Architecture DB 1987-2005/May
         (c) 2005 Royal Inst. of Brit. Architects
  File 439:Arts&Humanities Search(R) 1980-2005/Jul W3
         (c) 2005 Inst for Sci Info
```

DIALOG(R)File 16:Gale Group PROMT(R)

06057253 Supplier Number: 54466899 (USE FORMAT 7 FOR FULLTEXT)
SECTION 3: PREPRESS ELECTRONIC IMAGING.
Printing Impressions, v41, n2, p148(1)
July, 1998
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 23908

... and locates files from Mac OS and Microsoft Windows workstations,
while running any ODBC-compliant **database** from the **server** platform.
Circle 1737 on Info Card
WAM!NET
WAM!BASE is an on-line, remote...Ultimate Technographics
Impostrip for UNIX, Sun, Windows/NT and Macintosh, utilizes an
intelligent folding module, **Origami** , to determine page sequence and
direction based on the operator's full-color, on-screen...

...learn imposition solution. Automatic calculation of master layouts up to
222x292 with Best Fit and **Origami** , the electronic folding utility. Job
Control Bar walks users through required steps. Use standard library...

04095579   SUPPLIER NUMBER: 18880776
More origami solids.(computer simulations for origami)
Glassner, Andrew
IEEE Computer Graphics and Applications, v16, n5, p81(5)
Sep, 1996
ISSN: 0272-1716   LANGUAGE: English   RECORD TYPE: Abstract

ABSTRACT: Computer simulations, using unit origami techniques, have been
created for three Archimedean solids that are equal mixtures of pairs of
Platonic solids. The diagrams can be made with the help of a computer-aided
drafting program which reads an origami notation and produces a 3D geometry
file of the result, or otherwise, creates folding **diagrams** using the same
information. The **paper - folding** techniques for the three solids,
cuboctahedron, tetrahedron/tetrahedron dual, and icosadodecahedron, have
been described.

DESCRIPTORS: Origami--Models; Computer simulation--Usage
SPECIAL FEATURES: illustration; photograph; chart
FILE SEGMENT: AI File 88

...ABSTRACT: origami notation and produces a 3D geometry file of the
result, or otherwise, creates folding **diagrams** using the same
information. The **paper - folding** techniques for the three solids,
cuboctahedron, te

```
Set      Items    Description
S1        1561    PAPER()(MODEL OR MODELING OR FOLDING) OR ORIGAMI?
S2     1307681    PLAN OR DIAGRAM? OR TEMPLATE?
S3     1069424    ONLINE? OR INTERNET? OR SERVER? OR FTP OR DOWNLOAD? OR RET-
                  RIEV? OR FETCH?
S4     1374425    PRINT? OR OUTPUT? OR OUT()PUT
S5           1    S1 AND S2 AND S3 AND S4
S6           3    S1 AND S2 AND (INTERNET? OR WWW OR WEBSITE? OR WEBPAGE? OR
                  WEB()(SITE? OR PAGE?) OR WORLDWIDE()WEB)
S7           5    S1 AND S2 AND S3
S8          24    S1 AND S3
S9          24    S5:S8
S10         21    RD (unique items)
S11         10    S10 NOT PY>1999
File    8:Ei Compendex(R) 1970-2005/Jul W3
        (c) 2005 Elsevier Eng.  Info. Inc.
File   35:Dissertation Abs Online 1861-2005/Jun
        (c) 2005 ProQuest Info&Learning
File   65:Inside Conferences 1993-2005/Jul W4
        (c) 2005 BLDSC all rts. reserv.
File    2:INSPEC 1969-2005/Jul W3
        (c) 2005 Institution of Electrical Engineers
File   94:JICST-EPlus 1985-2005/Jun W1
        (c)2005 Japan Science and Tech Corp(JST)
File  111:TGG Natl.Newspaper Index(SM) 1979-2005/Jul 26
        (c) 2005 The Gale Group
File    6:NTIS 1964-2005/Jul W3
        (c) 2005 NTIS, Intl Cpyrght All Rights Res
File  144:Pascal 1973-2005/Jul W3
        (c) 2005 INIST/CNRS
File  434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
        (c) 1998 Inst for Sci Info
File   34:SciSearch(R) Cited Ref Sci 1990-2005/Jul W3
        (c) 2005 Inst for Sci Info
File   62:SPIN(R) 1975-2005/May W3
        (c) 2005 American Institute of Physics
File   99:Wilson Appl. Sci & Tech Abs 1983-2005/Jun
        (c) 2005 The HW Wilson Co.
File   95:TEME-Technology & Management 1989-2005/Jun W3
        (c) 2005 FIZ TECHNIK
```

04426319   E.I. No: EIP96063215294
  Title: Computational algorithm for origami **design**
  Author: Lang, Robert J.
  Corporate Source: Pleasanton, CA, USA
  Conference Title: Proceedings of the 1996 12th Annual Symposium on Computational Geometry
  Conference · Location: Philadelphia,   PA,   USA · Conference   Date: 19960524-19960526
  Sponsor: ACM
  E.I. Conference No.: 44788
  Source: Proceedings of the Annual Symposium on Computational Geometry 1996. ACM, New York, NY, USA. p 98-105
  Publication Year: 1996
  CODEN: PACGET
 · Language: English
  Document Type: CA; (Conference Article)   Treatment: A; (Applications); T ; (Theoretical)
  Journal Announcement: 9608W2

  Abstract: A complete algorithm is presented for the first time for the design of an arbitrary **origami** figure, specifically, for the solution of a crease pattern that folds flat into a base with any desired number of flaps of arbitrary length. The algorithm is based on a set of mathematical conditions on the mapping between the crease pattern and a tree graph representing the base. The algorithm is illustrated by applying it in a computer program written in C plus plus that is available on the **Internet** . With this algorithm, one can compute the crease pattern for **origami** designs of unprecedented complexity and sophistication. 21 Refs.

  Descriptors: *Algorithms; Computational geometry; Computational complexity; Mathematical techniques; Trees (mathematics); Graph theory; C (programming language); Computational methods; Optimization; Constraint theory
  Identifiers: **Origami** design; Crease pattern; Multipointed base; Technical folding; Flaps; **Internet** ; Base; Polygon; Flat foldable pattern
  Classification Codes:
  723.1.1 (Computer Programming Languages)
  723.1 (Computer Programming); 723.5 (Computer Applications); 921.4 (Combinatorial Mathematics, Includes Graph Theory, Set Theory); 921.6 (Numerical Methods)
  723 (Computer Software); 921 (Applied Mathematics)
  72 (COMPUTERS & DATA PROCESSING); 92 (ENGINEERING MATHEMATICS)

5999880   INSPEC Abstract Number: C9809-6130B-092
 Title: Origami , **folding paper over the Web**
  Author(s): Kishi, N.; Fujii, Y.

  Author Affiliation: Dept. of Math. & Comput. Sci., Tsuda Coll., Tokyo, Japan

  Conference Title: Proceedings. 3rd Asia Pacific Computer Human Interaction (Cat. No.98EX110)   p.337-42
  Publisher: IEEE Comput. Soc, Los Alamitos, CA, USA
  Publication Date: 1998 Country of Publication: USA   xviii+474 pp.
  ISBN: 0 8186 8347 3   Material Identity Number: XX98-02051
  U.S. Copyright Clearance Center Code: 0 8186 8347 3/98/$10.00
  Conference Title: Proceedings of Asia-Pacific Computer Human Interaction 1998 Meeting
  Conference Sponsor: Inf. Process. Soc. Japan (IPSJ); ACM Japan Chapter; British HCI Group (UK); CHISIGNZ (New Zealand); Ergonomics Soc. Singapore (ESS); Graduate Univ. Adv. Studies; IEICE of Japan; IFIP; Japan Ergonomics Soc. (JES); Japan Psychol. Assoc.; Japanese Soc. Artificial Intelligence; Japan Soc. Software Sci. & Technol. (JSSST); Japanese Soc. Sci. Design; Japanese Cognitive Soc.; Joint Conference on Educ. Technol. (JCET); Soc. Instrum. & Control Eng. (SICE); Southeast Asian Ergonomics Soc. (SEAES); Univ. Malaysia Sarawak (UNIMAS) (Malaysia)
  Conference Date: 15-17 July 1998   Conference Location: Shonan Village Center, Japan
  Language: English   Document Type: Conference Paper (PA)
  Treatment: Practical (P)
  Abstract: **Origami** , paperfolding, is a traditional Japanese art of folding paper into representation of 3-D figures. In general, it is quite difficult to learn **origami** from 2-D images such as **diagrams** and videos, because it requires inference of 3-D models from 2-D images. We are developing a system for folding **origami** over the Web, by designing a model of an **origami** folding process and by implementing a client- **server** system. Our system consists of three parts: the **origami** editor, **origami** **server** and **origami** browser. The **origami** editor enables the user to create and edit **origami** projects, which are sequences of **origami** states and folding methods. The **origami** **server** receives the input data from the editor and generates a VRML 2.0 data stream, which represents a transition between two **origami** states. The VRML 2.0 data stream is then displayed by the **origami** browser, or a VRML 2.0 browser, as a 3-D **origami** figure in motion. (4 Refs)
  Subfile: C
  Descriptors: client- **server** systems; computer animation; **Internet** ; solid modelling; user interfaces; virtual reality
  Identifiers: **origami** editor; paperfolding; Japanese art; 3D figure representation; 2D images; **diagrams** ; World Wide Web; client- **server** system; **origami** **server** ; **origami** browser; VRML; animation
  Class Codes: C6130B (Graphics techniques); C7820 (Humanities computing); C6180 (User interfaces); C6150N (Distributed systems software)

 Origami **Browser Using VRML on the Web.**

FUJII YURIKO (1); KISHI NOBUKO (1)
(1) Tsuda Coll.

ABSTRACT: **Origami , paper folding** , is hard to learn from **diagrams**
    and videos, because it is necessary to infer 3-D models from 2-D
    images. To overcome these drawbacks, we are developing a system for
    learning **origami** on the Web. The system contains an **origami**
    browser, an **origami** editor, and an **origami** archiver, which manages
    a collection of folding methods. It also uses a VRML 2.0 browser as 3-D
    animation **output** media. This article describes the **origami** browser
    in the system, focusing on how folding methods are stored, and how
    these methods are converted to 3-D animation in VRML 2.0. (author
    abst.)

DESCRIPTORS: computer animation; user interface; pleasure; paper; display
    device; data representation; three dimension; computer network;
    protocol; space; **internet** ; virtual space
BROADER DESCRIPTORS: animation; image technology; technology; computer
    graphics; computer application; utilization; interface; equipment;
    representation; dimension; communication network; information network;
    network; rule
CLASSIFICATION CODE(S): JE04010I; IB03000G

00660691   JICST ACCESSION NUMBER: 88A0445426   FILE SEGMENT: JICST-E
Large size paper folder for FX3080.
DOBASHI KENJI (1); HARA AKIHIKO (1); ISHINO MASAHIRO (1)
(1) Fuji Xerox Co., Ltd.
ABSTRACT: This large size **paper folding** product was developed to
    facilitate drawing issue operation by automating copying, stamping and
    paper folding while **online** to a FX3080 which is a PPC for 1-15Km
    monthly copy volume market and has 5 sheets/minute speed for
    A0(maximum) size. This product is characterized by **online** connection
    to the processor, sufficient application of folding pattern and compact
    machine design.(author abst.)
DESCRIPTORS: copying machine; drawing(**diagram**); large type; folding
    machine; **online** system; improvement of efficiency; specification;
    structure; principle
BROADER DESCRIPTORS: machinery; **diagram** and table; type; system;
    modification
CLASSIFICATION CODE(S): ZA05060W

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L15	2	origami near5 program	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/27 13:26
L17	22	origami and (g06f$)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/27 13:38
L20	61576	"229"/$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/27 13:42
L21	75	20 and (internet online world adj wide adj web)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/27 13:43

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